



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATION

In re Application of:

Margolskee et al.

Serial No. : **09/865,346**

Group Art Unit: 1616

Filed : May 25, 2001

Examiner: George, Konata-M

For : **NUCLEOTIDE COMPOUNDS THAT BLOCK THE BITTER TASTE
OF ORAL COMPOSITIONS**

New York, NY 10036
February 7, 2003

Commissioner for Patents
Box DD
Washington, D. C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

The following statement of relevance is submitted with the accompanying
Form PTO/SB/08A.

Document Designation

Relevance

AA
5,853,792

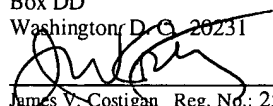
A low sodium edible salt composition and process for U.S.
its preparation.

C1

A novel family of mammalian taste receptors.

I hereby certify that this correspondence is being deposited
with the United States Postal Service as first class mail on
February 7, 2003 in an envelope addressed to:

Commissioner for Patents
Box DD
Washington, D. C. 20231


James V. Costigan, Reg. No.: 25,669

C2	Cyclic nucleotide phosphodiesterases: properties, activators, inhibitors, structure-activity relationships, and possible role in drug development.
C3	Reconstitution of catecholamine-stimulated binding of guanosine 5'-O-(3-thiotriphosphate) to the stimulatory GTP-binding protein of adenylate cyclase.
C4	Receptor-effector coupling by G proteins.
C5	T2Rs function as bitter taste receptors.
C6	The molecular physiology of taste transduction.
C7	Biomimetic in vitro assay for the characterization of bitter tastants and identification of bitter taste blockers.
C8	Functional expression of the taste specific G-protein, α -gustducin.
C9	Gy13 colocalizes with gustducin in taste receptor cells and mediates IP ₃ responses to bitter denatonium.
C10	A family of candidate taste receptors in human and mouse.
C11	The biochemistry and molecular biology of taste transduction.
C12	The molecular biology of taste transduction.
C13	Blocking taste receptor activation of gustducin inhibits gustatory responses to bitter compounds.
C14	Characterization and solubilization of bitter-responsive receptors that couple to gustducin.
C15	Studies on the blocking of bitter taste.
C16	Gustducin is a taste-cell-specific G protein closely related to the transducins.
C17	Some taste substances are direct activators of G-proteins.
C18	A site on rod G protein α subunit that mediates effector activation.

- C19 The glucagon sensitive adenylyl cyclase system in plasma membranes of rat liver.
- C20 Coupling of bitter receptor to phosphodiesterase through transducin in taste receptor cells.
- C21 An in vitro assay useful to determine the potency of several bitter compounds.
- C22 Generation of inositol phosphates in bitter taste transduction.
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- C23 ~~Transduction of bitter and sweet taste by gustducin.~~
- C24 Activation by bitter substances of a cationic channel in membrane patches excised from the bullfrog taste receptor cell.
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Full text copies of the cited references are enclosed herewith. It is respectfully requested that this art be considered by the Examiner in the above identified application and made of record therein.

The Commissioner is hereby authorized to charge any additional fee(s) which may be required or credit any overpayment to Deposit Account No. 08-1540. A duplicate copy of this paper is enclosed.

Respectfully submitted,



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